What is claimed is:

1. A device in a vehicle brake arrangement for determining the applied brake force, comprising an enclosed elastically deformable medium (20), on which the reaction force from the brake force is to act, characterized in that an axially movable push rod (22) is in contact with the medium (20) for transmitting a force therefrom and that sensor means (26; 28) are provided for sensing the force in the push rod (22).

2. A device according to claim 1, characterized in that the force-sensing means (26) comprises a fixed force-receiving cup (24), in which the end of the push rod (22) opposite the medium (20) engages and which is provided with a sensor element (26) in its region for the engagement with the push rod (22).

3. A device according to claim 2, characterized in that the push rod (22) in the region for its engagement with the force-receiving cup (24) is provided with a guiding and centering O-ring (25).

4. A device according to claim 2, characterized in that the push rod (22) is rigidly supported by a housing (15) and along its length is provided with a force-sensing means (28).

5. A device according to claim 4, characterized in that the force-sensing means (28) is an integrated portion of the push rod (22) or connected therein.

6. A device according to any of the preceding claims, characterized in that the push rod (22) has a portion with reduced diameter in contact with the pressure-transmitting medium (20), said portion being surrounded by a sealing ring (23).

7. A device according to any of the preceding claims, characterized in that the brake force is transmitted the the pressure-transmitting medium (20) by a ring (19).